

## National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) SDG Y93T7 Case 43788 Contract EPW11033 Region 9 DDTID 184234 SOW SOM01.2

## Data Review Reports

DMC/Surrogate

DMC/Surrogate	VOA_Trace
VTDSS2	The following volatile samples have DMC/SMC recoveries above the upper limit of the criteria window. Detected compounds are qualified J. Nondetected compounds are not qualified.
	Y9401, Y9403
	<b>1,1-Dichloroethene-d2</b> Y9401, Y9403
	1,1-Dichloroethene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene
DMC/Surrogate	VOA_Trace
VTDSS223	The following diluted volatile samples with dilution factors greater than 5 have DMC/SMC recoveries above the upper limit of the criteria window. Detected and nondetected compounds are not qualified.
	Y9400DL
	<b>1,1-Dichloroethene-d2</b> Y9400DL
	1,1-Dichloroethene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene
DMC/Surrogate	VOA_Trace
VTDSS3	The following trace volatile samples have one or more DMC/SMC recovery values is less than the primary lower limit but greater than or equal to the expanded lower limit of the criteria window. Detected compounds are qualified J. Nondetected compounds are qualified UJ.
	Y93T7, Y93W0, Y93W1, Y93W2, Y93W2DL, Y93W3
	<b>Toluene-d8</b> Y93W0
	Ethylbenzene, Tetrachloroethene, Toluene, Trichloroethene, m,p-Xylene, o-Xylene
	<b>Benzene-d6</b> Y93W0, Y93W1, Y93W3
	Benzene
	<b>1,2-Dichloropropane-d6</b> Y93T7, Y93W0, Y93W1, Y93W2, Y93W3
	<b>Vinyl chloride-d3</b> Y93W2DL
	Vinyl chloride
	<b>1,1,2,2-Tetrachloroethane-d2</b> Y93W0, Y93W1, Y93W3
DMC/Surrogate	VOA_Trace
VTDSS323	The following diluted trace volatile samples with dilution factors greater than 5 have one or more DMC/SMC recovery values is less than the primary lower limit but greater than or equal to the expanded lower limit of the criteria window. Detected and nondetected compounds are not qualified.
	Y93W2DL
	<b>Vinyl chloride-d3</b> Y93W2DL

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DMC/Surrogate

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DMC/Surrogate	VOA_Trace
	Vinyl chloride

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Detection Limit

Detection Limit	VOA_Trace
VTDL1	The following volatile samples have analyte concentrations below the quantitation limit (CRQL).    Detected compounds are qualified J.    Nondetected compounds are not qualified.
	Y93T7, Y93T7MS, Y93W0, Y93W1, Y93W2, Y93W2DL, Y93W3, Y93W4, Y93W5, Y93W7, Y93W8, Y9400, Y9402, Y9403, Y9404, Y9405
	<b>1,1-Dichloroethane</b> Y93W0, Y93W2, Y9402, Y9403, Y9404
	<b>cis-1,2-Dichloroethene</b> Y93W2DL
	<b>1,1-Dichloroethene</b> Y93W0, Y93W4, Y93W5, Y9403
	<b>Toluene</b> Y93W3, Y93W8, Y9402, Y9403
	<b>1,1,2-Trichloro-1,2,2-trifluoroethane</b> Y93T7, Y93T7MS, Y93W2DL
	<b>1,1,1-Trichloroethane</b> Y93W0
	<b>trans-1,2-Dichloroethene</b> Y93W0, Y9402
	<b>Benzene</b> Y93W1, Y93W7, Y9402, Y9403, Y9405
	<b>Vinyl chloride</b> Y9400

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Internal Standard

Internal Standard	VOA_Trace
VTIS31	The following trace volatile samples have internal standard area counts that are outside the lower limit of primary criteria.    Detected compounds are qualified J.    Nondetected compounds are qualified R.
	Y9405
	<b>1,4-Difluorobenzene</b> Y9405
	1,1,2-Trichloro-1,2,2-trifluoroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, Chloroform, Vinyl chloride, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene
	<b>Chlorobenzene-d5</b> Y9405
	1,1,1-Trichloroethane, Benzene, Ethylbenzene, Tetrachloroethene, Toluene, Trichloroethene, m,p-Xylene, o-Xylene
	<b>1,4-Dichlorobenzene-d4</b> Y9405
	1,2-Dichlorobenzene

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### Matrix Spikes

Matrix Spikes	VOA_Trace
VTMS2	The relative percent difference (RPD) between the following volatile matrix spike and matrix spike duplicate recoveries is outside criteria. Detected compounds are qualified J. Nondetected compounds are not qualified.
	Y93T7MS, Y93T7MSD
	<b>Benzene</b> Y93T7MS, Y93T7MSD

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### *Data Review Reports*

TIC

TIC	VOA_Trace
VTTIC1	A library search indicates a match at or above 85% for a TIC compound in the trace volatile sample    Detected compounds are qualified NJ.    Nondetected compounds are not qualified.
	VBLKL5, Y93W3
	<b>Benzene, 1,2,4-trichloro-</b> VBLKL5, Y93W3